

# Faculty of Science

Eligible admission subjects are grouped into one of these three categories:

Humanities	Fine Arts	Sciences
English (Literature and Composition); Languages other than English; History; Cultural Geography; Social Studies; Economics	Art; Drama; Music; Dance	Biology; Chemistry; Math (Algebra, Geometry, Trigonometry); Physics; Physical Geography; Science, Computer Science; Calculus

Admission requirements vary by Faculty and program. Some programs can be entered directly from high school, while others will require one or more years of preprofessional study. Preprofessional study will fulfill academic requirements that are not covered in most high school curricula and will give you a strong basis to enter professional programs. These studies can be completed in another Faculty, such as Arts or Science (although a number of Faculties are suitable for preprofessional studies).

All undergraduate applicants to English speaking and bilingual programs need an adequate level of English language proficiency before admission, regardless of their citizenship status or country of origin. [www.studyincanada.ualberta.ca/elp](http://www.studyincanada.ualberta.ca/elp)

★30 credits refers to one full-time year of study or 10 courses    ★3 credits = one-term course    ★6 credits = two-term course

Direct Entry Programs	5 subject requirements:
Bachelor of Science (General) Bachelor of Science with Specialization Bachelor of Science with Honors	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ Two subjects from Biology, Calculus, Chemistry, and Physics</li> <li>▶ One subject from Humanities, Fine Arts, or Sciences</li> </ul> <p>(British Curriculum applicants - GCE AS or A level - subjects required: Math; two subjects from Sciences)</p> <p><b>Note for students applying to a Specialization or an Honors program:</b> Your chosen program may contain university courses for which there are specific grade 12 prerequisites that must be met in addition to the admission subjects listed above. It is your responsibility to have these pre-requisites successfully completed prior to registering for your university courses. Visit <a href="http://uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission">uofa.ualberta.ca/science/programs/undergraduate/admission-to-science/high-school-admission</a></p>
Bachelor of Science (Specialization in Science and Education)/Bachelor of Education (Secondary) Combined	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Biology</li> <li>▶ Chemistry</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ One subject from Humanities, Fine Arts, or Sciences</li> </ul> <p>(British Curriculum applicants - GCE AS or A level - subjects required: Math; two subjects from Sciences)</p> <p><b>Note:</b> Spoken English Language Proficiency is also required for admission.</p>
Bachelor of Science - Specialization in Planning	<ul style="list-style-type: none"> <li>▶ English</li> <li>▶ Math (Algebra, Geometry, Trigonometry)</li> <li>▶ Two subjects from Biology, Calculus, Chemistry, and Physics</li> <li>▶ One subject from Humanities, Fine Arts, or Sciences (Social Studies recommended)</li> </ul> <p><b>Additional requirement:</b> For a major in planning, applicants must submit a written statement outlining an interest in Planning, including any relevant volunteer or work experience. The statement must be submitted to the Department of Earth and Atmospheric Sciences by May 1.</p>

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Programs requiring pre-professional study	Requirements:
Bachelor of Science (General)—Business Minor	Preprofessional Study Time: 1 year. ★24 transferable required. Minimum AGPA of 2.3. <ul style="list-style-type: none"> <li>▶ Junior ENGL (★6)</li> <li>▶ ECON 101 and 102 (★6)</li> <li>▶ MATH 113 or 114 or 117 (★3)</li> <li>▶ Mathematical Sciences (Mathematics, Statistics or Computing Science) (★3)</li> <li>▶ ★6 in Biological Sciences, Earth Sciences, Science Psychology, Physics or Chemistry</li> </ul>
Bachelor of Science Specialization in Computing Science—Business minor	Preprofessional Study Time: 1 year. ★18-24 transferable required. <ul style="list-style-type: none"> <li>▶ CMPUT 174 and 175 (★6)</li> <li>▶ MATH 114, 115 (★6)</li> <li>▶ English (★6)</li> <li>▶ Science option (★6)</li> <li>▶ Approved option, which may include CMPUT 272 (★6)</li> </ul> Selection Criteria: Minimum GPA of 2.3 in a minimum of ★18 in each preceding Fall/Winter term. Minimum GPA of 2.3 on all transferable CMPUT courses.
Bachelor of Science in Environmental Earth Sciences (Honors)	Preprofessional Study Time: ★24 transferable required. <ul style="list-style-type: none"> <li>▶ EAS 100 and 105 (★6)</li> <li>▶ CHEM 101 (★3)</li> <li>▶ MATH 113 or 114 (★3)</li> <li>▶ PHYS 124 or 144 (★3)</li> </ul> Selection criteria: Minimum GPA of 3.0 on ★24 in each previous Fall/Winter term..
Bachelor of Science in Environmental Earth Sciences (Specialization)	Preprofessional Study Time: ★18 transferable required. <ul style="list-style-type: none"> <li>▶ EAS 100 and 105 (★6)</li> <li>▶ CHEM 101 (★3)</li> <li>▶ MATH 113 or 114 (★3)</li> <li>▶ PHYS 124 or 144 (★3)</li> </ul> Selection criteria: Minimum GPA of 2.3 on ★18 in each previous Fall/Winter term..
Bachelor of Science in Geology (Honors)	Preprofessional Study Time: ★24 transferable required. <ul style="list-style-type: none"> <li>▶ EAS 100 and 105 (★6)</li> <li>▶ CHEM 101 (★3)</li> <li>▶ MATH 113 or 114 (★3)</li> <li>▶ PHYS 124 or 144 (★3)</li> </ul> Selection criteria: Minimum GPA of 3.0 on ★24 on all courses completed. Admission is competitive.
Bachelor of Science in Geology (Specialization)	Preprofessional Study Time: ★18 transferable required. <ul style="list-style-type: none"> <li>▶ EAS 100 and 105 (★6)</li> <li>▶ CHEM 101 (★3)</li> <li>▶ MATH 113 or 114 ★(3)</li> <li>▶ PHYS 124 or 144 (★3)</li> </ul> Selection criteria: Minimum GPA of 2.3 on ★18 in each previous Fall/Winter term. Admission is competitive.

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## Science programs contd.

Programs requiring pre-professional study	Requirements:
Bachelor of Science in Mathematics and Finance (Honors)	ONE YEAR Minimum of ★24 transferable required in previous Fall/Winter.  REQUIRED: 1. MATH 114 and 115 (★6) 2. MATH 125 (★3) 3. STAT 151 (★3) 4. ECON 101 and 102 (★6) 5. ★6 junior ENGL or ★3 junior WRS and ★3 of ENGL 6. Options (★6) (CMPUT 174, 175 recommended)
	TWO YEARS ★60 transferable required with at least ★24 transferable in each preceding Fall/Winter.
	REQUIRED (1- 5 ABOVE): 1. MATH 214 and 215 (★6) 2. MATH 225 (★3) 3. MATH 253 (★3) 4. STAT 265 and 266 (★6) 5. ECON 281 (★3) 6. Options (★9)  SELECTION CRITERIA: Minimum GPA of 3.0 on a minimum of ★24 in each preceding Fall/Winter, plus a minimum GPA of 3.0 on the required courses.
Bachelor of Science in Mathematics and Finance (Specialization)	ONE YEAR Minimum of ★24 transferable required in previous Fall/Winter.  REQUIRED: 1. MATH 114 and 115 (★6) 2. MATH 125 (★3) 3. STAT 151 (★3) 4. ECON 101, 102 (★6) 5. ★6 junior ENGL or ★3 junior WRS and ★3 of ENGL 6. Options (★6) (CMPUT 174, 175 recommended)
	TWO YEARS ★60 transferable required with at least ★24 transferable in each preceding Fall/Winter.
	REQUIRED (1- 5 ABOVE): 1. MATH 214 and 215 (★6) 2. MATH 225 (★3) 3. MATH 253 (★3) 4. STAT 265 and 266 (★6) 5. ECON 281 (★3) 6. Options (★9)  SELECTION CRITERIA: Minimum GPA of 2.7 on a minimum of ★24 in each preceding Fall/Winter, plus a minimum GPA of 2.7 on the required courses.

## Science programs contd.

Programs requiring pre-professional study	Requirements:
Bachelor of Science in Psychology (Honors)	<p>ONE YEAR Minimum of ★24 transferable required</p> <p>REQUIRED:</p> <ol style="list-style-type: none"> <li>1. PSYCO 104 or 215 (★3)</li> <li>2. MATH 125 (★3)</li> <li>3. STAT 151 (★3)</li> <li>4. ECON 101, 102 (★6)</li> <li>5. ★6 junior ENGL or ★3 junior WRS and ★3 of ENGL</li> <li>6. Options (★6) (CMPUT 174, 175 recommended)</li> </ol>
	<p>TWO YEARS ★60 transferable required with at least ★24 transferable in each preceding Fall/Winter.</p>
	<p>REQUIRED (1- 5 ABOVE):</p> <ol style="list-style-type: none"> <li>1. MATH 214 and 215 (★6)</li> <li>2. MATH 225 (★3)</li> <li>3. MATH 253 (★3)</li> <li>4. STAT 265 and 266 (★6)</li> <li>5. ECON 281 (★3)</li> <li>6. Options (★9)</li> </ol> <p>SELECTION CRITERIA:</p> <p>Minimum GPA of 3.0 on a minimum of ★24 in each preceding Fall/Winter. Minimum GPA of 3.3 on required Psychology and Statistics courses. Contact the Department Honors Advisor before applying.</p>